

CONSTRUCTION GENERAL PERMIT SITE INSPECTION REPORT - LEVEL 1 (FOCUSED)

Project Name:	Louisa Solar (Virginia Electric & Power Co).	Permit Number:	VAR101424
Project Address:	495 Chalklevel Rd. Louisa, Virginia	County/City:	Louisa
Project Operator:	See comments section.	Operator Telephone:	See comments section
Project Contact:	Robert B. Smith, Project Manager	Contact Telephone:	804-273-3725
Contact E-Mail:	Rob.smith@dom.com	Qualified Personnel (QP):	James Dorton/Regina Chavis
Inspectors:	Tadric Page and Trisha Beasley	Weather (Wet/Dry/Rain):	Overcast w/light rain, ~70 F
Disturbed Acreage:	~174 acres	Inspection Date & Time:	October 6, 2016 @9:00 a.m.
Linear Project:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Annual Stands. & Specs:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		VSMP Authority:	<input type="checkbox"/> Locality <input checked="" type="checkbox"/> DEQ
Stage of Construction:			
<input checked="" type="checkbox"/> Initial Clearing & Grading <input checked="" type="checkbox"/> Rough Grading <input checked="" type="checkbox"/> Building Construction <input checked="" type="checkbox"/> Final Grading			
<input checked="" type="checkbox"/> Construction of SWM Facilities <input checked="" type="checkbox"/> Final Stabilization <input type="checkbox"/> Notice of Termination <input type="checkbox"/> Other: _____			
Nature of Project:			
<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Other: _____			
Re-Inspection:			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

COVERAGE & POSTING REQUIREMENTS		Yes	No	N/A	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Comments/Description
1	Construction site has permit coverage? (Va. Code §62.1- 44.15:34.A) (9VAC25-870-310)	X			Project authorized by DEQ CGP VAR101424.
2	A copy of the notice of coverage letter is posted conspicuously near the main entrance of the construction activity? (CGP Part II.C)	X			Posted at site entrance.
3	Notice of the location of the SWPPP is posted near the site's entrance, if applicable, and information for public access is provided? (9VAC25-870-54.G)(CGP Part II D.2 & 3)	X			Posted at site entrance.
SWPPP AVAILABILITY AND CONTENTS		Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comments/Description
4	The SWPPP is on-site or made available during the inspection? (CGP Part II D.1 & 2)(9VAC25-870-54.G)			X	Not inspected.
5	The SWPPP contains a signed copy of the registration statement? (CGP Part II A.1.a)			X	Not inspected.
6	The SWPPP includes, upon receipt, a copy of the notice of coverage letter and the CGP? (CGP Part II A.1.b & c)			X	Not inspected.
7	The SWPPP contains the name, phone number and qualifications of "Qualified Personnel" conducting inspections? (CGP Part II A.6)			X	Not inspected.
8	The SWPPP contains an approved erosion and sediment control plan? (9VAC25-870-54.B)(CGP Part II.A.2)			X	Not inspected.
9	The SWPPP contains an approved stormwater management plan or an existing construction site has a stormwater management plan? (9VAC25-870-54.C)(CGP Part II.A.3) Technical Criteria II.B <input checked="" type="checkbox"/> II.C <input type="checkbox"/>			X	Not inspected.
10	The SWPPP contains a pollution prevention plan? (9VAC25-870-54.D)(CGP Part II.A.4)			X	Not inspected.

ESC AND SWM CONTROL MEASURES		Yes	No	N/A	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Comments/Description
11	Sediment trapping measures are installed as a first step in the land disturbing activity? (9VAC25-840-40.4)	X			Nine Stormwater ponds (temporary sediment basins) are operational at the site. Post DEQ's September 27, 2016, the construction of three sediment traps has been begun (one appeared completed). In addition, silt fences, mulch, rock-check dams and other techniques have been employed at the site to help control sediment releases.
12	Stabilization applied and/or established in accordance with CGP and ESC Minimum Standards? (9VAC25-840-40(1,2,3,5,7, and 15)) (9VAC25-880-60) (CGP Part I F.1(a)) (CGP Part II A.2.c.8) (CGP Part II A.5.b.1)	X			Grass has been planted in several areas at the site. During this re-inspection, DEQ observed that the planted grass was growing in several areas.
13	Operable storm sewer inlets are protected from sediment laden water? (9VAC25-840-40.10)			X	
14	Operational stormwater conveyance channels or pipes have adequate outlet protection and channel lining? (9VAC25-840-40.11)	X			A sediment trap has been constructed at the outlet associated with the Stormwater conveyance channel identified by DEQ during the September 27, 2016, inspection (see checklist item #40 in DEQ's September 27 th inspection report). Note: The inspection contacts stated that the subject channel and associated trap will be removed within days of this re-inspection date, and that the area upstream from the trap (~4.5 acres) will be graded, stabilized and planted with a permanent vegetative cover. They stated that the area is a "dead zone" at the site – no planned building construction or other use.
15	Transport of sediment onto paved surfaces is minimized? (9VAC25-840-40.17)	X			The public roads beyond the construction area appeared clean and clear of debris.
16	For Notice of Termination, permanent SWM control measures included in the SWPPP are in place? (9VAC25-880-60) (CGP Part I F.1(a))			X	
POLLUTION PREVENTION PRACTICES		Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comments/Description
17	Have discharges of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities been prevented, if applicable? (CGP Part IIA.4 (e)(2))			X	Not inspected.
18	Have discharges of soaps, solvents, detergents, and washwater from construction materials, including the clean-up of stucco, paint, form release oils, and curing compounds been prevented, if applicable? (CGP Part IIA.4(e)(3))			X	Not inspected.
19	Is concrete washwater directed into a leak-proof container or leak-proof settling basin? (CGP Part IIA.4(e)(5))			X	Not inspected.
SITE EVALUATION AND AGENCY RECOMMENDATION		Yes	No	N/A	Request for Corrective Action attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comments/Description
20	Are measures in place that have prevented or minimized actual or potential impacts occurring at the site or along the perimeter and at outfall locations?	X			
21	VA DEQ's Risk Based Inspection Strategy has been satisfied. No local VSMP Authority or comprehensive DEQ re-inspection is required at this time.	X			Referred to Locality: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
22	Site inspection results are such that immediate or subsequent recommendation for issuance of a Warning Letter or Notice of Violation is NOT required.	X			

Contact:
Inspector Name: Tadric Page/Trisha Beasley
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Be advised that this inspection is **focused** on portions of the applicable statutory and regulatory requirements only. The purpose of the inspection is to assess the general condition and compliance level of the construction site and to evaluate the need for a more **comprehensive inspection** by DEQ or the local VSMP, as applicable, or the presence of actual or potential adverse impacts. The inspector's report is limited to the day, time, and specified statutory and regulatory requirements identified in the Report and Request for Corrective Action, if attached. Although some statutory or regulatory components may not be covered by this inspection report your responsibilities as the owner/operator are to comply with all applicable statutory and regulatory requirements.

Inspector Signature: *Tadric Page*

October 6, 2016

During this re-inspection, DEQ staff focused on specific areas at the site that were identified by DEQ as deficient during the compliance inspection conducted September 27, 2016. Except as noted below, it appeared that all deficiencies noted during DEQ's September 27, 2016, compliance inspection have been corrected. DEQ observed that the sediment accumulated at the inlets and outlets associated with the two stream crossings culvert pipes has been cleaned out, and noted that additional riprap has been placed at both inlets/outlets. As noted in checklist item #14 above, a sediment trap has been installed at the discharge end of the Stormwater conveyance channel identified by DEQ during the September 27th inspection. According to the inspection contacts, the conveyance channel and trap will be removed within days of the date of this re-inspection, and the entire area associated with the channel/trap will be graded, and permanent vegetation will be planted.

Note: During this re-inspection, DEQ reviewed the approved site plans with the inspection contacts, and determined that the temporary sediment basin identified in the plans as basin #8, is not constructed in accordance with the approved plans. The plans call for the construction of a rock weir and a defined channel that discharges to a swale (see DEQ's observations for checklist #37 in the September 27th inspection report). Site staff stated that they plan to begin construction on the weir and channel immediately, and stated that they plan to construct a defined channel from the swale to the stream-crossing located downstream from the basin/swale. Dominion agreed to provide digital photographs of the project when it is complete.

Virginia Wetland Protection (VWP) considerations: Site construction operates under a Nationwide 51 Permit issued by the United States Army Corps of Engineers. During this re-inspection, Ms. Cook provided DEQ a copy of the subject permit, impact map and wetland delineation map, showing the limits/boundaries of wetlands at the site. Based on DEQ's observations, it appeared that none of the wetlands identified as avoided in the subject maps have been encroached by construction activities. Note: Prior to this re-inspection, Dominion reported to DEQ that two sediment discharges to wetland events occurred on September 20th and 28th, 2016, respectively. The notices are located in DEQ's electronic database. Ms. Cook stated that wetland seed mix was planted in the impacted areas, and DEQ observed growth in these areas during this re-inspection. Based on DEQ's observations, no additional action(s) associated with work in wetlands is required at this time.

The following individuals, representing Dominion, participated in the re-inspection: Mr. James Dorton, AMEC Foster Wheeler; Mr. Robert Smith, Project Manager, Dominion; Mr. Ryan D. Knisley, Gai Consultants; Ms. Camille Cook, Dominion; Mr. Kristopher Nelson, Code Enforcement Officer with Louisa County, and Mr. Dan Beauchamp, Site Manager for Dominion.

Recommended Corrective Action Deadline: October 14, 2016

Targeted Re-Inspection Date: No re-inspection planned. The inspection contacts agreed to provide DEQ updates via email, with respect to the final grading of the area associated with the conveyance channel/trap noted above, and agreed to provide DEQ details regarding the weir, outfall and Stormwater channel they plan to construct on sediment basin #8. In addition, the inspection contacts agreed to provide written details and digital photographs of the additional control measures they plan to implement (additional silt fence, rock-check dams, riprap placement, etc.) at both stream-crossings. DEQ plans to conduct an offsite evaluation of the sites compliance status when the noted information is received by the Department.

The recommended corrective action deadline date applies to all conditions noted on this report unless otherwise noted. If listed condition(s) currently constitute non-compliance and/or corrective actions are not completed by the deadline, other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector Signature: 

October 6, 2016

CONSTRUCTION GENERAL PERMIT SITE INSPECTION PHOTO LOG

Project Name: Louisa Solar

Permit Number: VAR10I424

Date: October 6, 2016

Fig. 1 showing basin discharge above stream-crossing #1



Fig. 2 showing outlet protection at stream-crossing #1.



Fig. 3
Description:
"Photo"

Fig. 4
Description:
"Photo"